

**ARIZONA GAME AND FISH DEPARTMENT  
HABITAT PARTNERSHIP PROGRAM  
HABITAT ENHANCEMENT AND WILDLIFE MANAGEMENT PROPOSAL**

<b>PROJECT INFORMATION</b>		
<b>Project Title:</b> Heber(#568) and Lone Pine (#414) water catchments and Ryan and Pueblo Trick tanks		<b>Project No.</b> 10-102
<b>Region/GMU:</b> Region I / GMU 4B	<b>HPC:</b> Winslow	
<b>Project Type:</b> Water development renovation		
<b>Project Description:</b> Redevelop Heber and Lone Pine catchments from a current capacity of 1,900 gallons to 17,500 gallons. These are AGFD owned wildlife water developments in Unit 4B.		
<b>Wildlife Species to Benefit:</b> Elk, Deer, Pronghorn, Turkey		
<b>Possible Funding Partners:</b>		
<b>Implementation Schedule:</b> Beginning: March 2011 Completed: June 30 2011	<b>NEPA Compliance:</b> (if applicable) Completed: Yes ___ No <u><b>X</b></u> <i><b>BUT WILL BE</b></i> Projected Completion Date: January 2011	
<b>PROJECT FUNDING</b>		
<b>SBG Funds Requested:</b> \$55,000.00		
<b>Cost Share Funds:</b> \$55,104.00		
<b>Total Project Costs:</b> \$110,104.00		
<b>PARTICIPANT INFORMATION</b>		
<b>Applicant:</b> Evan Lautzenheiser (please print) <b>Telephone:</b> (928) 739-0011	<b>Address:</b> 2878 E. White Mountain Blvd. Pinetop, AZ 85935	
<b>AGFD Contact and Phone No.</b> (If applicant is not AGFD personnel)		
<b>Coordinated with:</b> USFS Black Mesa District	<b>Date:</b> August, 2010 thru July, 2011	
<b>Applicant's signature:</b>	<b>Date:</b>	

**SEND COMPLETED APPLICATIONS TO:**  
 AZ Game and Fish Department  
 Attn: Game Branch  
 5000 W. Carefree Highway  
 Phoenix, AZ 85086  
[rgregory@azgfd.gov](mailto:rgregory@azgfd.gov)

**WAS PROJECT PRESENTED TO THE LOCAL HPC?      YES \_\_\_\_      NO X\_\_\_\_**

The Heber and Lone Pine projects were not presented to the Winslow HPC. There are good reasons these were not discussed at Winslow HPC meetings. We did not have permission from forest service, who agreed to do the NEPA, until August 24, 2010. Once permission was granted, we decided to maximize our cost share dollars with some regional PR funds that are only good through June 2011. We have a window of opportunity to cost share two funds that will greatly benefit habitat in Unit 4B.

**HAS PROJECT BEEN SUBMITTED IN PREVIOUS YEARS? IF SO WAS IT FUNDED?**

This project has not been submitted.

**NEED STATEMENT/PROBLEM ANALYSIS:**

The Heber (#568) guzzler is an Arizona Game and Fish guzzler identified by the Arizona Game and Fish Department, Region I, as critical water within Game Management Unit 4B. Built in the 1950's. The guzzler is working, but is prone to going dry due to its small storage capacity (only 1,900) and the high numbers of elk and deer that regularly used the guzzler. Arizona Game and Fish personnel haul approximately 5,000 gallons a year to this catchment to prevent it from going dry. The closest permanent water is approximately 3.22 miles away.

The Heber catchment is located in the southern portion of Unit 4B, south of Forest Road 504 and west of Forest Road 170, located on the Apache-Sitgreaves National Forest. It is located in Pinion – Juniper mixed woodland and adjacent to the Wildcat and recent Durfee burns. This area supports good numbers of elk and mule deer and an increasing number of Javelina. There is limited seasonal water available in the area, however, with seasonal water most wildlife in this area are transient.

Lone Pine catchment (#414) is an Arizona Game and Fish guzzler identified by the Arizona Game and Fish Department, Region I, as critical water within Game Management Unit 4B. Built in the 1950's. The guzzler is working, but is prone to going dry due to its small storage capacity (only 1,900) and the high numbers of elk and deer that regularly used the guzzler. Arizona Game and Fish personnel haul approximately 2,000 gallons a year to this catchment to prevent it from going dry. There is two US Forest Service catchments located within approximately 1.5 miles of this catchment, but on average years these catchments also go dry due to there small storage capacity.

Lone Pine catchment is located in the southern portion of Unit 4B, north of Forest Road 504 and west of Forest Road 228, located on the Apache-Sitgreaves National Forest. This catchment is located in the transition habitat from Ponderosa Pine to Pinion Juniper mixed woodland. The area supports elk, mule deer, and turkey. There is limited seasonal water available in the area, however, with seasonal water most wildlife in this area are transient.

The one thing missing in this area is a reliable source of perennial water. This has been identified in the Unit 4B District Habitat Management Plan as a high priority. The primary purpose of this proposal is to increase perennial water availability in areas of Unit 4B that are lacking perennial water. With a goal of perennial water coverage across all parts of Unit 4B, all species both game and non-game will benefit. This will enable animals to better distribute themselves across a larger area. Using a two-mile radius to evaluated perennial water distribution this catchment will affect approximately 20,000 acres that currently has no perennial water coverage.

**PROJECT OBJECTIVES:**

To redevelop 2 water catchments that will provide wildlife with perennial water. This is part of an overall goal to provide perennial water for wildlife across the entire unit.

### PROJECT STRATEGIES:

- Heber and Lone Pine catchments: Replace the existing concrete apron and vault tank (1,900 gal) with two 3' x18' buried fiberglass ring tanks (11,600 gal), 24'x72' fenced R-panel apron, fiberglass walkin "elk" drinker (3' deep x 5' wide x 12' long) and a piperail perimeter fence (150' x 160'). See attached CADD drawings.
- Provide a relatively maintenance free perennial water source to wildlife in an area that lacks perennial water.

### PROJECT LOCATION: Unit 4B – north of Heber and Forest Lakes, AZ

- 1.) Heber (#568):T14N, R151/2E, section 32. See attached map. Land ownership for this project is Forest Service.
- 2.) Lone Pine (#414): T13N, R16E, section 9. See attached map. Land ownership for this project is Forest Service.

### LAND OWNERSHIP AT PROJECT SITE (Please state specifically if PRIVATE PROPERTY and provide landowner's name):

USDA Forest Service, Apache-Sitgreaves National Forest, Black Mesa Ranger District

### IF PRIVATE PROPERTY, IS THERE A STEWARDSHIP AGREEMENT BETWEEN THE LANDOWNER AND THE DEPARTMENT?

### HABITAT DESCRIPTION:

Madrean Montane Conifer Forest with the principal woodland species consisting of ponderosa pine and Pinion Juniper woodland. Browse species such as Cliff rose are present in the area. Elevations in the project area range from 6,300 to 6,600 feet. Forage conditions are good in this habitat type.

### ITEMIZED USE OF FUNDS:

#### Materials Needed For Catchments:

Quantity	Item	Price
6	3'x18' fiberglass ring tanks	\$59,526.00
2	Elk trough	\$ 6536.00
2	24'x72' apron	\$ 12000.00
2	24' fiberglass gutter	\$ 1468.00
2	Apron infrastructure	\$ 2,000.00
2	Livestock fencing	\$ 7,000.00
2	Fencing for apron	\$ 6,400.00
2	Plumbing	\$ 1000.00

(\$9,921.12 per tank)

#### Catchment Costs:

**Sub-total** = \$95,930.00  
**Tax** = \$7,674.40  
**Total** = \$103,604

**Arizona Game & Fish:**

Archeological Costs = \$4,000.00 (Estimated and paid for by Region I)

**USDA Forest Service:**

Environmental compliance work = \$2,500 (**COMPLETE by January 2011 by FS**)

**Total Cost = \$110,104**

**Total Cost Share = \$55,104.00**

**LIST COOPERATORS AND DESCRIBE POTENTIAL PARTICIPATION:**

- Arizona Game and Fish will coordinate and construct or contract the construction of this project. AGFD Region I will complete archeological surveys.
- USDA Forest Service/ Environmental Compliance – per meeting with District Ranger on August 24, 2010, the Black Mesa Ranger District will complete NEPA by January 2011

**PROJECT MONITORING PLAN:**

Arizona Game and Fish conducts wildlife surveys for elk and deer in the project area. The Department will continue to do these surveys and analyze the data with respects to this project. Some anticipated outcomes from the project are better wildlife and livestock distribution leading to improved range conditions.

**PROJECT MAINTENANCE:**

AZGF will monitor and complete all maintenance needs at these wildlife waters.

**PROJECT COMPLETION REPORT TO BE FILED BY:**

Evan Lautzenheiser / AZGF

**WATER DEVELOPMENT PROJECTS (see attached worksheet):**

## **ARIZONA GAME AND FISH DEPARTMENT** **WATER DEVELOPMENT WORKSHEET**

**PROJECT NAME:** Heber(#568) and Lone Pine (#414) water catchments and Ryan and Pueblo Trick tanks

- 1) **Is the water development listed as a priority in the most recent “Wildlife Water Development Annual Implementation Schedule?”**  
Yes
- 2) **Please list the Development Branch personnel and date coordinated with for this project.**  
Joe Currie January 2010
- 3) **What is the estimated annual inches of precipitation for the area? (mark one)**  
\_\_\_2-4 \_\_\_4-6 \_\_\_6-8 \_\_\_8-10 \_\_\_10-12 \_\_\_12-14 \_\_\_X\_\_\_14-16 \_\_\_>16
- 4) **Is there a perennial water source available to big game within four miles of this project?**  
\_\_\_X\_\_\_ YES (please complete #5 below) \_\_\_NO (skip #5 below)
- 5) **For the accessible, perennial water source nearest this project:**  
Name of water source: Wildcat Pothole  
Type of water source (catchment, spring, dirt tank, etc.): Natural pothole  
Ownership of water source: Forest Service  
Distance in miles from project: 3.22 miles
- 6) **Is the target wildlife species a result of transplant efforts?** \_\_\_YES \_\_\_X\_\_\_NO
- 7) **Please list any special land management status for the project site (i.e. Wilderness, National Park, National Monument, etc). If private land, list landowner.**  
N/A
- 8) **Please provide the following information about access to the proposed site:**  
Type of access (mark one): \_\_\_X\_\_\_ 2x4 vehicles \_\_\_4x4 only \_\_\_foot only\*\*  
\*\*If foot access only: Distance in miles: Approx. hiking time:  
  
-- Does access to this site require crossing private or tribal lands? \_\_\_YES \_\_\_X\_\_\_NO  
  
-- Please describe any restrictions to public access: NA
- 9) **Please list below (or on a separate sheet) the material type and dimensions of each component proposed to be added, modified, or repaired.**
  - (4) 3’ deep X 18’ diameter Fiberglass ring tank
  - (2) 3’ deep Fiberglass “Elk” Trough
  - (2) 24’ Standard Fiberglass Gutter
  - (2) Standard 150’ X 160’ Piperail enclosure fence
  - (2) Standard Apron Enclosure fence
  - (2) 24’ wide X 72’ long R-panel apron and metal frame
  - (2) Standard trough drinkers

- Assorted plumbing

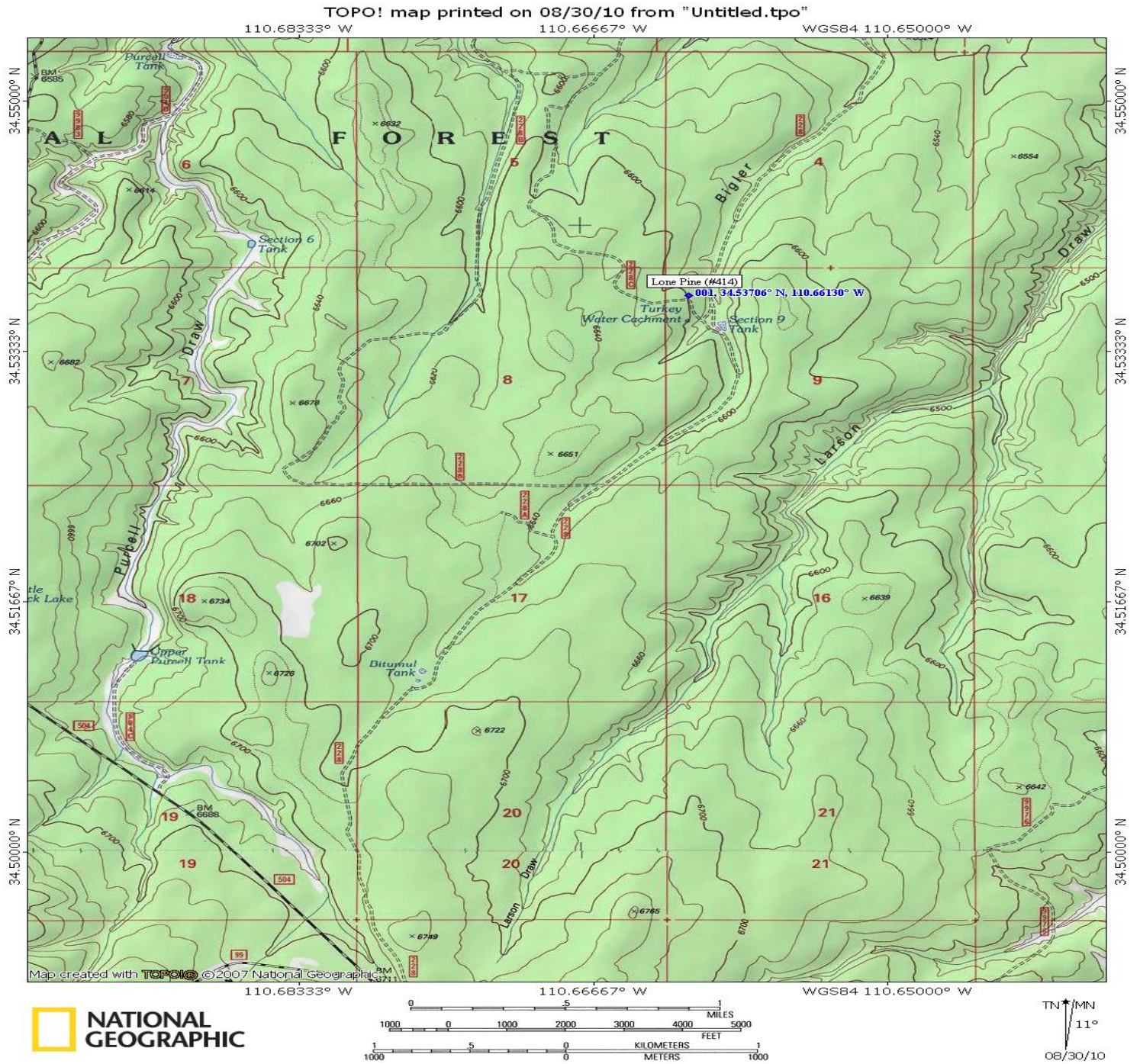
**10) Was a site visit completed?**   X   Yes         No

If Yes, please list personnel that attended and date.

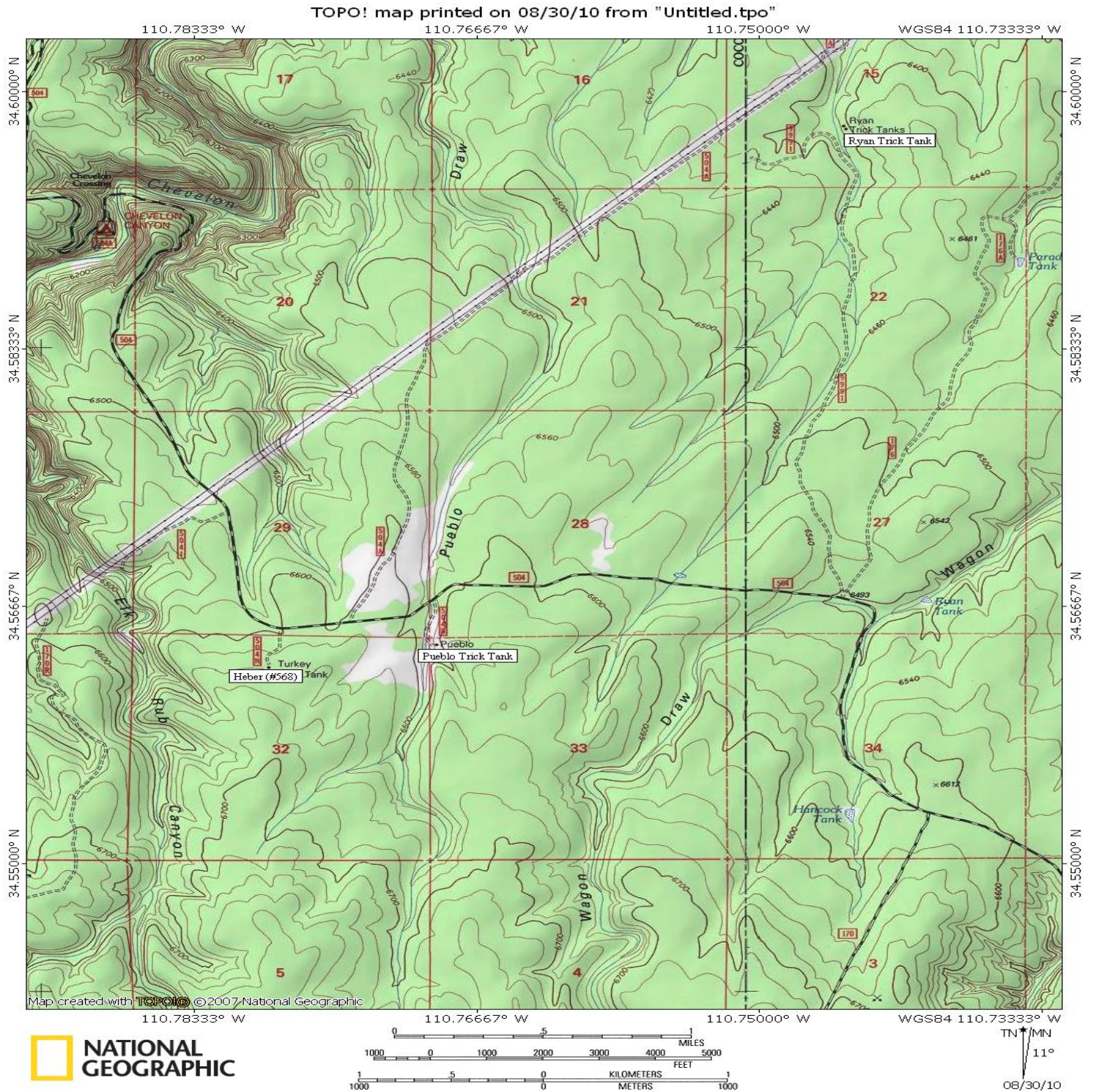
Evan Lautzenheiser AZFGD, Joe Currie AZGFD, Racheal Vaughn USDA Forest Service on January 2010

**Project Location**











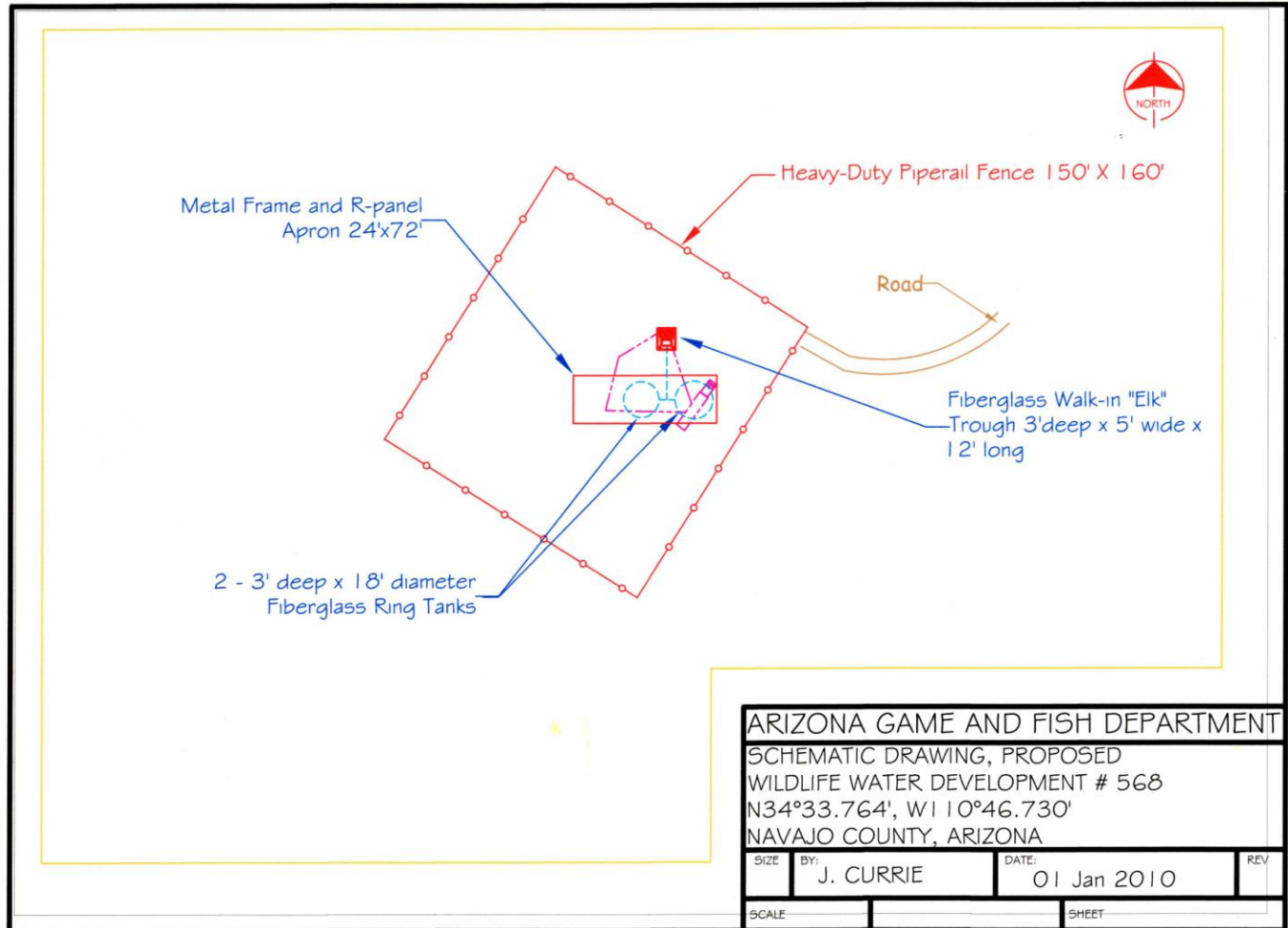
Heber (#568)



Lone Pine (#414)



**CADD Drawings**  
Heber proposed



Lone Pine (#414) proposed

